

00027-10921250

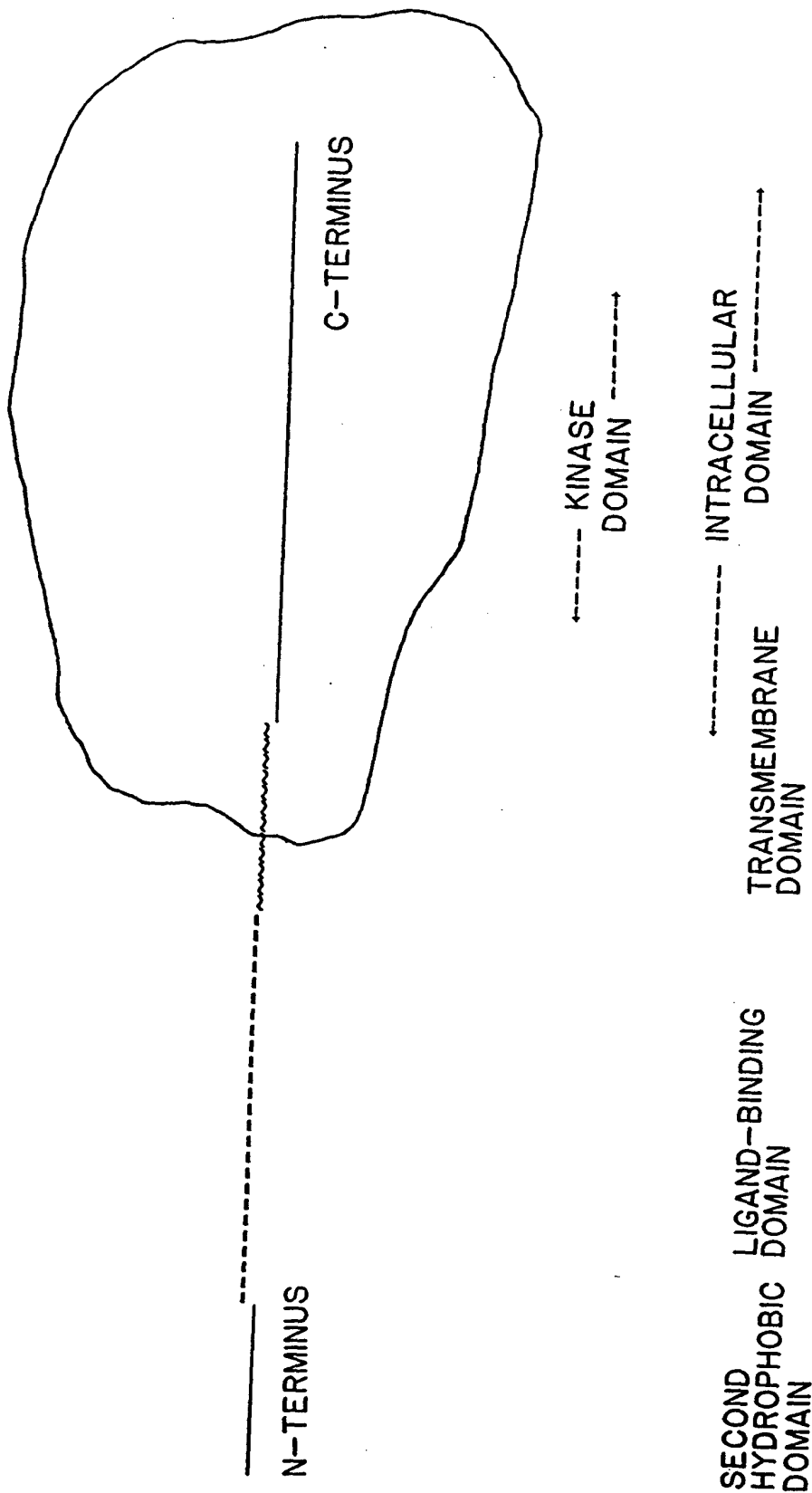


FIG. 1

Divide a cDNA library in a mammalian expression vector into pools of 1000 clones, prepare DNA from each pool

Transfect COS cells directly on microscope slides

Bind [<sup>125</sup>I] activin A, wash cells, fix, dip in photographic emulsion

Subdivide bacteria from positive pool and rescreen; repeat until receptor clone is pure

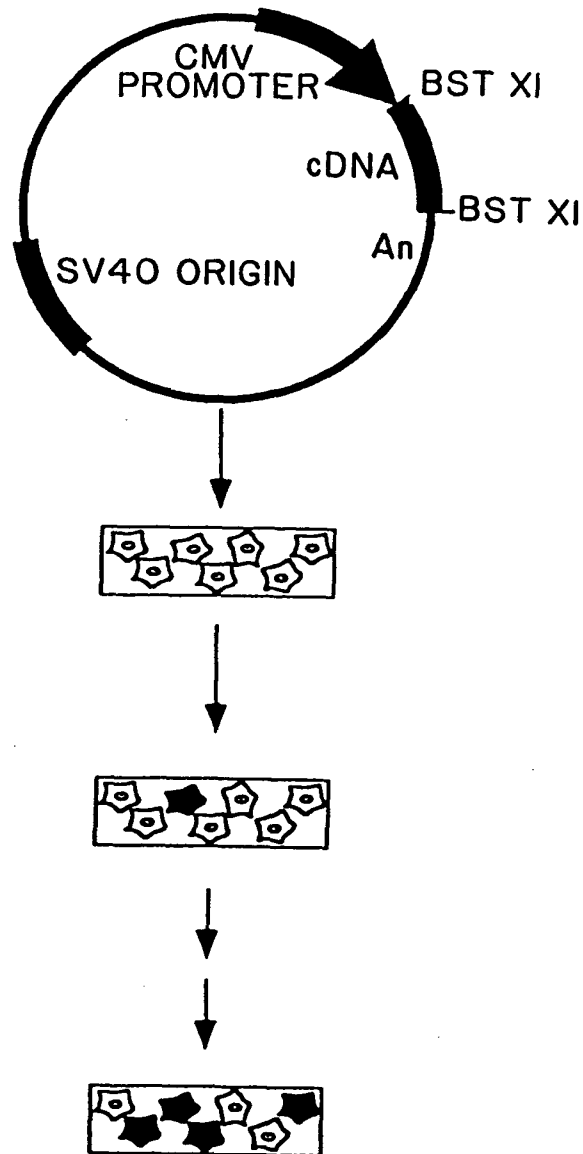


FIG. 2

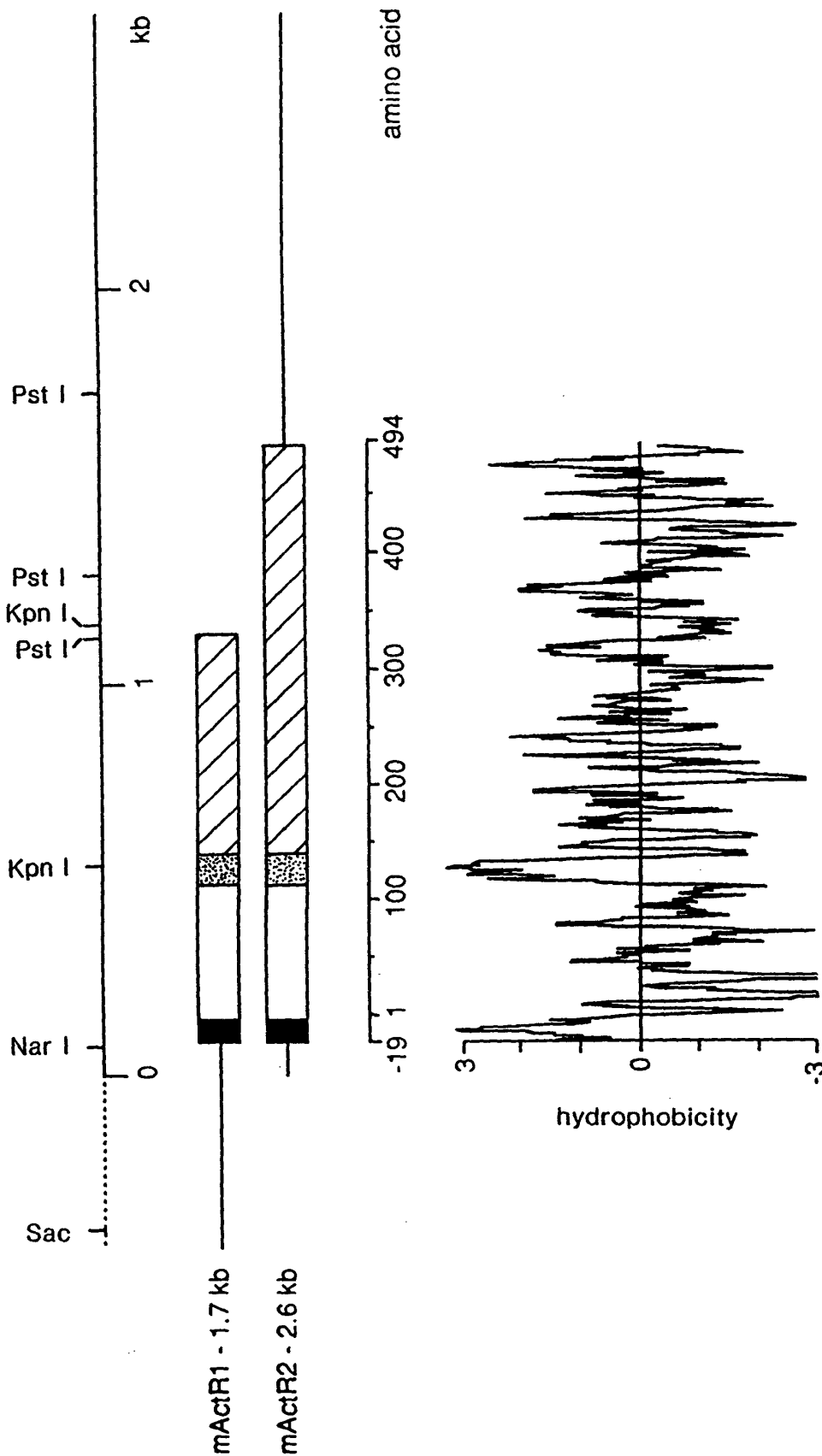


FIG. 3

Act R (174) L LLEVKGREGFVGVWKAQLLENVAVKKEFPIDDKQSWQEEEEVYSLPGMHNNLLQIGAEKRCISVDVDLWLITA  
 Daf (295) L LTGRVGRPGFVNVSRGDYEEVAVKKEFNADDEPAFHEHEEEIFETRMLEHNNLLRIGSDRVTCFVTELWLVTJE  
 Subdomain I II III IV  
 \* \* \* \* \*

Act R            \*     \*\*       \*     \*     \*     \*

Daf            HFHGSLSDFLNAVVSWSNELCHIAETAAGLAATHHEIIGCKKDGKPAAIHRDIKSKNVLAKNTLTACADPDEL

Subdomain      V                  VIA                  VIB                  VII

Act R  
Daf  
Subdomain

IIALKF..AEACKSAGDTHGCTRYNAPEELLEGAIFFQR.DAFLRDDYAMGVWEELARCTAAGIVDEYMLP  
LISLKPEAAASDIIANENYGTTRYNAPEELINSTMEFTVFESYQCDDYYSFLVWTEETLRC...EDGIVLPREAA

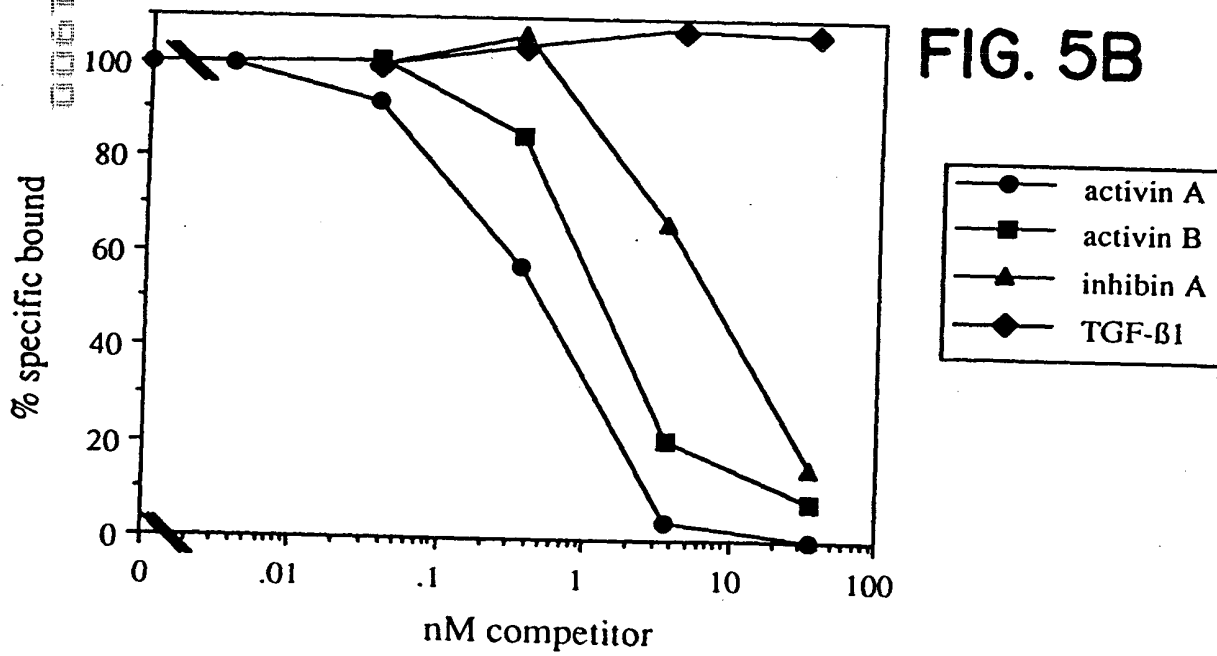
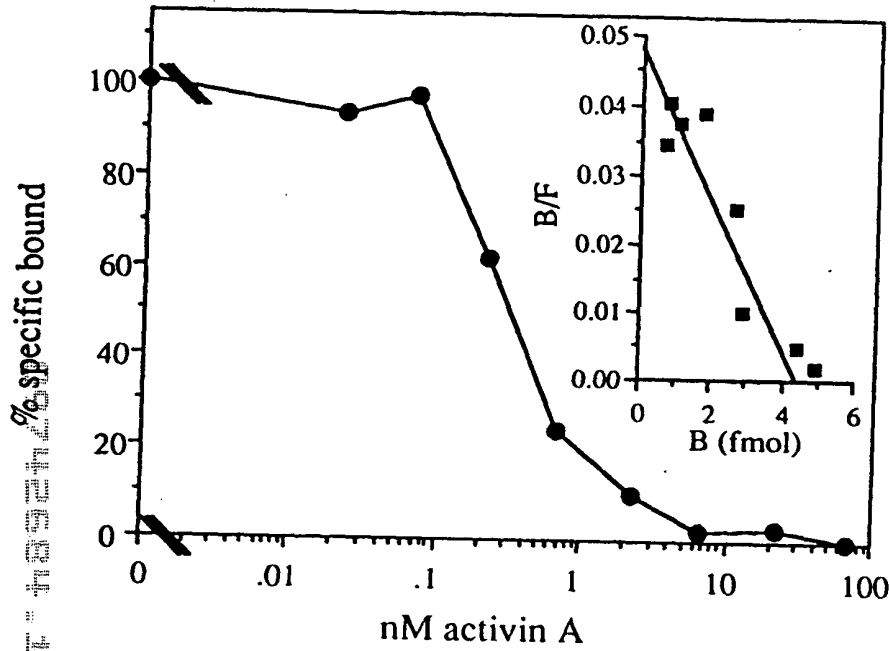
\* \* \* \* \*

VIII

IX

	*	*	*
Act R	FE..E.EEIGPPIPSLMMQVVVVKRRPFVLRDWQQHAMMAMLEETIECWDDHDAFARLSAGCVGERITQMORL	(28)	
Daf	TVIPETIEWTDPPQDMQMVVCTRRRPPTENHWKHHPEMKHIEETIKCWNNGNP:RFTSYICRRIMDEROOL	(78)	
Subdomain	X _____ XI		

**FIG. 4**



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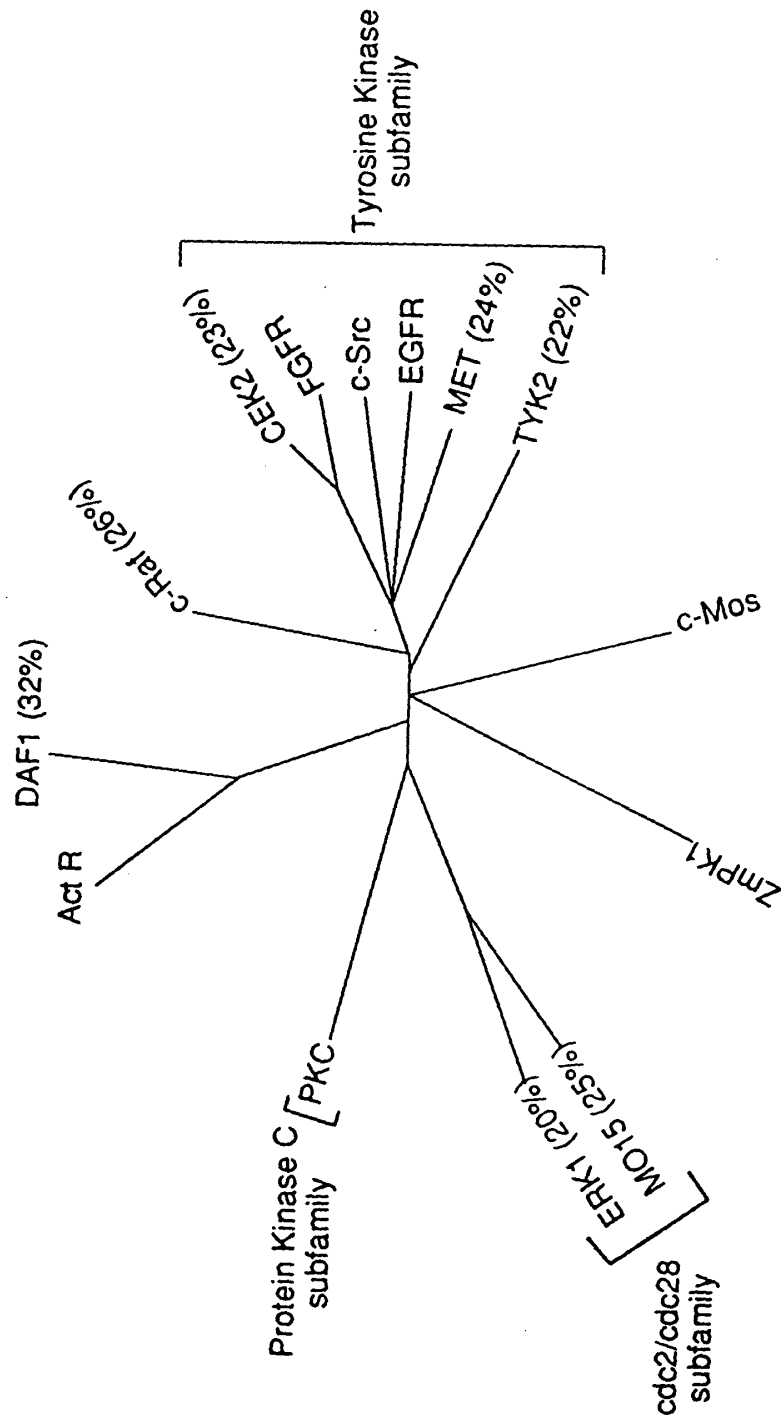


FIG. 6